

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET No.

3174-000009

SERIAL No.

APPLICANT

Donald J. Williams et al.

FILING DATE

GROUP

PTO
09/817560
03/26/01

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	DL	1,756,672	04/29/1930	J.M. Barr	310/214	
2.		2,688,103	08/31/1954	D. F. Sheldon	310/214	
3.		4,149,309	04/17/1979	Mitsui	29/595	
4.		5,212,419	05/18/1993	Fisher et al.	310/254	
5.		5,256,926	10/26/1993	Hagenlocher et al.	310/259	
6.		5,583,387	12/10/1996	Takeuchi et al.	310/47	
7.		5,729,072	03/17/1998	Hirano et al.	310/458	

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	DL	SU 1354-338 A1	11/23/1987	Russia		X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

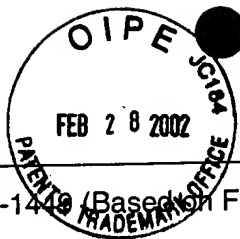
Ref. Desig.	Examiner's Initials	
1.		

Examiner:

Date Considered:

8/16/02

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**
(Use several sheets if necessary)

Sheet 3 of 4

ATTORNEY DOCKET NO.

3174-000009

SERIAL NO.

09/817,560

APPLICANT

Donald J. Williams et al.

FILING DATE

March 26, 2001

GROUP

2834

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
42.	DL	6,107,772	08/22/2000	Liu et al.	318/704	
43.		6,122,579	09/19/2000	Collier-Hallman et al.	701/41	
44.		6,144,131	11/07/2000	Hollenbeck et al.	316/156	
45.		6,188,196	02/13/2001	Koide et al.	318/700	
46.		6,218,753	04/17/2001	Asano et al.	310/156	

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	DL	DE2937838A	04/02/1981	Germany ✓	—	X	
2.	DL	JP404049826A	02/19/1992	Japan ✓	—	X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.	DL	Anthony J. Champagne, "Correlation of Electric Power Steering Vibration to Subjective Ratings", SAE Technical Paper Series 2000-01-0176, March 6-9, 2000, p. 1-3.
2.	DL	Gallegos-Lopez/Kjaer/Miller, "A New Sensorless Method for Switched Reluctance Motor Drives", 1997, Department of Electronics and Electrical Engineering, p. 564-570. ✓
3.	DL	Mvungi/Stephenson, "Accurate Sensorless Rotor Position Detection In An SR Motor", 1991, p. 76-79. ✓
4.	DL	Roy McCann, "Variable Effort Steering for Vehicle Stability Enhancement Using an Electric Power Steering System", SAE Technical Paper Series 2000-01-0817, March 6-9, 2000, p. 1-5.

Examiner:

Date Considered:

8/12/02

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 4 of 4	ATTORNEY DOCKET No.	SERIAL No.
	3174-000009	09/817,560
	APPLICANT	
	Donald J. Williams et al.	
	FILING DATE	GROUP
	March 26, 2001	2834

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
5.	PL	Toboldt/Johnson/Olive, "Goodheart-Willcox Automotive Encyclopedia", 1989, p. 577-584. ✓



Examiner: <i>[Signature]</i>	Date Considered: 8/15/02
------------------------------	--------------------------

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

ATTORNEY DOCKET NO.

SERIAL NO.

3174-000009

09/817,560

PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Donald J. Williams et al.

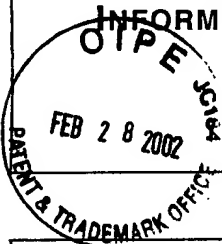
FILING DATE

March 26, 2001

GROUP

2834

Sheet 1 of 4



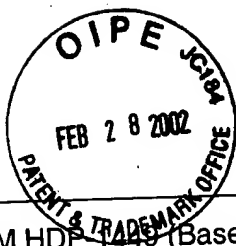
U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	DL	3,979,821	09/14/1976	Noodleman	29/58	
2.		3,987,324	10/19/1976	Linkous	310/197	
3.		4,418,307	11/29/1983	Hoffmann et al.	318/721	
4.		4,584,495	04/22/1986	Kordik	370/492	
5.		4,819,460	04/11/1989	Obradovic	68/23.7	
6.		4,845,837	07/11/1989	Lloyd	29/58	
7.		4,922,165	05/01/1990	Crawford et al.	310/215	
8.		4,953,284	09/04/1990	Hammer et al.	29/596	
9.		4,998,052	03/05/1991	Erdman et al.	318/701	
10.		5,034,642	07/23/1991	Hoemann et al.	310/156	
11.		5,076,076	12/31/1991	Payne	68/12.14	
12.		5,161,393	11/10/1992	Payne et al.	68/12.04	
13.		5,194,775	03/16/1993	Cooper	310/260	
14.		5,252,902	10/12/1993	Uehara et al.	318/599	
15.		5,301,523	04/12/1994	Payne et al.	68/12.14	
16.		5,325,677	07/05/1994	Payne et al.	68/12.04	
17.		5,457,375	10/10/1995	Marcinkiewicz et al.	318/802	
18.		5,467,025	11/14/1995	Ray	324/772	
19.		5,491,859	02/20/1996	Richardson	8/109	
20.		5,563,463	10/08/1996	Stark	310/156	
21.	↓	5,589,751	12/31/1996	Lim	318/701	

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Sheet 2 of 4

ATTORNEY DOCKET NO.

3174-000009

SERIAL NO.

09/817,560

APPLICANT

Donald J. Williams et al.

FILING DATE

March 26, 2001

GROUP

2834

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.	DL	5,701,064	12/23/1997	Horst et al.	318/701	
23.		5,720,065	02/24/1998	Myers et al.	8/159	
24.		5,763,978	06/09/1998	Uchida et al.	310/215	
25.		5,777,416	07/07/1998	Kolomeitsev	310/168	
26.		5,793,179	08/11/1998	Watkins	318/701	
27.		5,859,518	01/12/1999	Vitunic	318/701	
28.		5,883,485	03/16/1999	Mehlhorn	318/701	
29.		5,923,141	07/13/1999	McHugh	318/701	
30.		5,929,590	07/27/1999	Tang	318/701	
31.		5,955,861	09/21/1999	Jeong et al.	318/701	
32.		5,979,195	11/09/1999	Bestell et al.	68/23.2	
33.		5,982,117	11/09/1999	Taylor et al.	318/554	
34.		5,990,592	11/23/1999	Miura et al.	310/156	
35.		5,996,379	12/07/1999	Skrippek	68/140	
36.		6,011,368	01/04/2000	Kalpathi et al.	318/434	
37.		6,020,661	02/01/2000	Trago et al.	310/43	
38.		6,040,647	03/21/2000	Brown et al.	310/89	
39.		6,081,083	06/27/2000	Nashiki	318/256	
40.		6,092,619	07/25/2000	Nishikawa et al.	180/446	
41.	✓	6,102,151	08/15/2000	Shimizu et al.	180/446	

Examiner:

Long L L

Date Considered:

8/16/02

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET No.

3174-000009

SERIAL No.

09/817,560

APPLICANT

Donald J. Williams et al.

FILING DATE

March 26, 2001

GROUP

2834

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	DL	6,049,153	04/11/2000	Nishiyama et al.	370/156	
2.		6,127,753	10/03/2000	Yamazaki et al.	370/71	
3.		6,226,856	05/08/2001	Kazama et al.	29/596	
4.	✓	6,300,700	10/09/2001	Nishiyama et al.	310/156.45	

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	DL	WO 01/95459 A1	12/13/2001	WIPO	—	X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.		

Examiner:

[Signature]

Date Considered:

8/15/02

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.